What is claimed:

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- 1. A method of determining whether a compound inhibits HIV-1 reverse transcriptase which comprises:
- a) contacting a yeast ce'l with the compound, which cell comprises (i) a first plasmid which expresses a fusion protein comprising a p66 subunit polypeptide of HIV-1 reverse transcriptase, (ii) a second plasmid which expresses a fusion protein comprising a p51 subunit polypeptide of HIV-1 reverse transcriptase, and (iii) a reporter gene which is activated in the presence of a complex between the p66 subunit polypeptide and the p51 subunit polypeptide, and determining the level of activity of the reporter gene in the cell in the presence of the compound; and
- 15 b) comparing the level of activity of the reporter gene determined f_n step (a) with a level of activity of the reporter gene determined in the absence of the compound, wherein a decreased level of activity of the reporter gene in step (a) indicates that the compound inhibits formation of a complex between the p51 20 subunit pelypeptide of HIV-1 reverse transcriptase and subunit polypeptide of HIV-1 reverse transcriptase, thereby indicating that the compound inhibits HIV-1 reverse transcriptase.

A method of determining whether a compound inhibits formation of a complex between a p66 subunit polypeptide of HIV-1 reverse transcriptase and a p51 subunit polypeptide of HIV-1 reverse transcriptase which comprises:

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contacting a yeast cell with the compound, which cell comprises (i) a first plasmid which expresses a fusion protein comprising a p66 subunit polypeptide of HIV-1 reverse transcript se, (ii) a second plasmid which expresses a fusion protein comprising a p51 subunit polypeptide of HIV-1 reverse transcript se, and (iii) a reporter gene which is activated in the presence of a complex between the p66 subunit polypeptide and the p51 subunit polypeptide, and determining the level of activity of the reporter gene in the cell in the presence of the compound; and

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determined in step (a) with a level of activity of the reporter gene determined in the absence of the compound, wherein a decreased level of activity of the reporter gene in step (a) indicates that the compound inhibits formation of a complex between the p51 subunit polypeptide of HIV-1 reverse transcriptase and the p66 subunit polypeptide of HIV-1 reverse transcriptase.

A method of determining whether a compound inhibits HIV-1 reverse transcriptase which comprises:

comprises (i) a first plasmid which expresses a fusion protein comprising a p66 subunit polypeptide of HIV-1 reverse transcriptase, (ii) a second plasmid which expresses a fusion protein comprising a p51 subunit polypeptide of HIV-1 reverse transcriptase, and (iii) a reporter gene which is activated in the presence of

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a complex between the p66 subunit polypeptide and the p51 subunit polypeptide, and determining the level of activity of the reporter gene in the cell in the presence of the compound; and

5 b)

comparing the level of activity of the reporter gene determined in step (a) with a level of activity of the reporter gene determined in the absence of the compound, wherein an increased level of activity of the reporter gene determined in step (a) indicates that the compound is an activator of the formation of the complex between the p51 subunit polypeptide of HIV-1 reverse transcriptase and the p66 subunit polypeptide of HIV-1 reverse transcriptase, thereby indicating that the compound inhibits HIV-1 reverse transcriptase

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A method of determining whether a compound enhances formation of a complex between a p66 subunit polypeptide of HIV-1 reverse transcriptase and a p51 subunit polypeptide of HIV-1 reverse transcriptase which comprises:

20 (a) 25

contacting a yeast cell with the compound, which cell comprises (i) a first plasmid which expresses a fusion protein comprising a p66 subunit polypeptide of HIV-1 reverse transcriptase, (ii) a second plasmid which expresses a fusion protein comprising a p51 subunit polypeptide of HIV-1 reverse transcriptase, and (iii) a reporter gene which is activated in the presence of a complex between the p66 subunit polypeptide and the p51 subunit polypeptide, and determining the level of

activity of the reporter gene in the cell in the presence of the compound; and

comparing the level of activity of the reporter gene determined in step (a) with a level of activity of the reporter gene determined in the absence of the compound, wherein an increased level of activity of the reporter gene determined in step (a) indicates that the compound is an activator of the formation of the complex between the p51 subunit polypeptide of HIV-1 reverse transcriptase and the p66 subunit polypeptide of HIV-1 reverse transcriptase.

A method of determining whether a compound inhibits HIV-1 reverse transcriptase which comprises:

contacting a yeast cell with the compound, which cell comprises (i) a first plasmid which expresses a fusion protein comprising a fixst p66 subunit polypeptide of HIV-1 reverse transcriptase, (ii) a second plasmid which expresses a fusion protein comprising a second p66 subunit polypeptide of HIV-1 reverse transcriptase, and (iii) a reporter gene which is activated in the presence of a complex between the first p66 /sub/nit /polypeptide and the second p66 subunit polyperide, and determining the level of activity of the reporter gene in the cell in the presence of the compound; and

comparing the level of activity of the reporter gene determined in step (a) with a level of activity of the reporter gene determined in the absence of the compound, wherein a decreased level of activity of the

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b)

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a)

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reporter gene in step (a) indicates that the compound inhibits formation of a complex between the first p66 subunit polypeptide of HIV-1 reverse transcriptase and the second p66 subunit polypeptide of HIV-1 reverse transcriptase, thereby indicating that the compound inhibits HIV-1 reverse transcriptase.

6. A method of determining whether a compound inhibits formation of a complex between a first p66 subunit polypeptide of HIV-1 reverse transcriptase and a second p66 subunit polypeptide of HIV-1 reverse transcriptase which comprises:

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- contacting a yeast cell with the compound, which cell a) comprises (i) a first plasmid which expresses a fusion protein comprising/a first p66 subunit polypeptide of 15 HIV-1 reverse transcriptase, (ii) a second plasmid which expresses a fusion protein comprising a second p66 subunit /polypeptide of HIV-1 reverse transcriptase, and (ii) a reporter gene which is activated/in the presence of a complex between the 20 first p66 summit polypeptide and the second p66 subunit polypeptide, and determining the level of activity of/the reporter gene in the cell in the presence of the compound; and
- 25 b) comparing the level of activity of the reporter gene determined in step (a) with a level of activity of the reporter gene determined in the absence of the compound, wherein a decreased level of activity of the reporter gene in step (a) indicates that the compound inhibits formation of a complex between the first p66

subunit polypeptide of HTV-1 reverse transcriptase and the second p66 subunit polypeptide of HIV-1 reverse transcriptase.

- 5 7. A method of determining whether a compound inhibits HIV-1 reverse transcriptase which comprises:
- contacting a yeast cell with the compound, which cell a) comprises (i) a first plasmid which expresses a fusion protein comprising a first p66 subunit polypeptide of 10 HIV-1 reverse transcriptase, (ii) a second plasmid which expresses a fusion protein comprising a second p66 subunit polypeptide of HIV-1 reverse transcriptase, and /(iii) a reporter gene which is activated in the presence of a complex between the first p66 subunit/ polypeptide and the second p66 15 subunit polypeptide, and determining the level of activity of the /reporter gene in the cell in the presence of the compound; and
- comparing the level of activity of the reporter gene b) determined in step (a) with a level of activity of the 20 determined in the absence of the reporter /gen/e compound, wherein an increased level of activity of the reporter gene in step (a) indicates that the compound is an activator of the formation of the complex between the first p66 subunit polypeptide of 25 HIV-1 reverse transcriptase and the second p66 subunit polypep#ide of HIV-1 reverse transcriptase, thereby indicating that the compound inhibits HIV-1 reverse transcriptase.

A method of determining whether a compound enhances formation of a complex between a first p66 subunit polypeptide of HIV-1 reverse transcriptase and a second p66 subunit polypeptide of HIV-1 reverse transcriptase which comprises:

- contacting a yeast cell with the compound, which cell a) comprises (i) a first plasmid which expresses a fusion protein comprising a first p66 subunit polypeptide of HIV-1 reverse transcriptase, (ii) a second plasmid 10 which expresses a fusion protein comprising a second p66 subunit polypéptide of HIV-1 reverse transcriptase, and (i/ii) a reporter gene which is activated in the presence of a complex between the first p66 subunit polypeptide and the second p66 15 subunit polypeptide, and determining the level of activity of the reporter gene in the cell in the presence of the compound; and
- determined in step (a) with a level of activity of the
 reporter gene determined in the absence of the
 compound, wherein an increased level of activity of
 the reporter gene in step (a) indicates that the
 compound is an activator of the formation of the
 complex between the first p66 subunit polypeptide of
 HIV-1 reverse transcriptase and the second p66 subunit
 polypeptide of HIV-1 reverse transcriptase, thereby
 indicating that the compound inhibits HIV-1 reverse
 transcriptase.
- 30 9. The method of any one of claims 1-8, wherein (a) the

fusion protein expressed by the first plasmid comprises a peptide having a DNA binding domain, and (b) the fusion protein expressed by the second plasmid comprises a peptide having a transcription activation domain.

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- 10. The method of claim 9, wherein the DNA binding domain is a LexA DNA binding domain.
- 10 11. The method of claim 10, wherein the peptide having a DNA binding domain comprises LexA amino acid residues 1-87.
- 12. The method of claim 10 wherein the peptide having a

 DNA binding domain comprises LexA amino acid residues

 1-202.
 - 13. The method of claim 9, wherein the DNA binding domain is a GAL4 DNA binding domain.

- 14. The method of claim 9, wherein the transcription activation domain is a GAL4 transcription activation domain.
- The method of claim 14, wherein the peptide having the transcription activation domain comprises GAL4 amino acid residues 768-881.
- 16. The method of claim 9, wherein the transcription activation domain is a VP16 transcription activation

domain.

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- 17. The method of any one of claims 1-8, wherein (a) the fusion protein expressed by the first plasmid comprises a peptide having a transcription activation domain, and (b) the fusion protein expressed by the second plasmid comprises a peptide having a DNA binding domain.
- 10 18. The method of claim 17, wherein the DNA binding domain is a LexA DNA binding domain.
- 19. The method of claim 18, wherein the peptide having a DNA binding domain comprises LexA amino acid residues 1-87.
 - 20. The method of claim 18, wherein the peptide having a DNA binding domain comprises LexA amino acid residues 1-202.
 - 21. The method of claim 17, wherein the DNA binding domain is a GAL4 DNA binding domain.
- 22. The method of claim 17, wherein the transcription activation domain is a GAL4 transcription activation domain.
- The method of claim 22, wherein the transcription activation domain comprises GAL4 amino acid residues 768-881.

- 24. The method of claim 17, wherein the transcription activation domain is a VP16 transcription activation domain.
- 5 25. The method of any one of claims 1-8, wherein the fusion protein expressed by the first plasmid, the second plasmid or both plasmids comprises a peptide comprising consecutive alanine residues.
- 10 26. The method of claim 25, wherein the peptide comprising consecutive alanine residues comprises at least 6 alanine residues.
- 27. The method of any one of claims 1-8, wherein the fusion protein comprises an influenza hemagglutinin (HA) epitope tag.
 - 28. The method of any one of claims 1-8, wherein the reporter gene is a LacZ reporter gene.

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The method of any one of claims 1-4, wherein (a) the fusion protein expressed by the first plasmid comprises a peptide comprising a Lexa protein DNA binding domain, wherein the p66 subunit polypeptide is bound at its C-terminal amino acid to the N-terminal amino acid of the peptide comprising a Lexa protein DNA binding domain; and (b) the fusion protein expressed by the second plasmid comprises a Gal4 peptide corresponding to amino acids 768-881 of Gal4, and an influenza hemagglutinin (HA) epitope tag, which

Gal4 peptide is bound at its C-terminal amino acid to the N-terminal amino acid of the influenza hemagglutinin (HA) epitope tag, which influenza hemagglutinin (HA) epitope tag is bound at its C-terminal amino acid to the N-terminal amino acid of the p51 subunit polypeptide.

The method of any one of claims 1-4, wherein (a) the 30. fusion protein expressed by the first plasmid 10 comprises a peptide comprising a LexA protein DNA binding domain, wherein the p66 subunit polypeptide is bound at it's Cterminal amino acid to the N-terminal amino acid of the peptide comprising a LexA protein DNA binding domain; \ and (b) the fusion protein 15 expressed by the second plasmid comprises a Gal4 peptide corresponding to amino acids 768-881 of Gal4, which Gal4 peptide is bound at its C-terminal amino acid to the N-terminal aming acid of the p51 subunit polypeptide.

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The method of any one of claims 1-4, wherein (a) the fusion protein expressed by the first plasmid comprises a LexA peptide corresponding to amino acid residues 1-87, wherein the LexA peptide is bound at its C-terminal amino acid to the N-terminal amino acid of the of the p66 subunit polypeptide; and (b) the fusion protein expressed by the second plasmid comprises a Gal4 peptide corresponding to amino acids 768-881 of Gal4, and an influenza hemagglutinin (HA) epitope tag, which Gal4 peptide is bound at its C-

terminal amino acid to the N-terminal amino acid of the influenza hemagglutinin (HA) epitope tag, which influenza hemagglutinin (HA) epitope tag is bound at its C-terminal amino acid to the N-terminal amino acid of the p51 subunit polypeptide.

The method of any one of claims 1-4, wherein (a) the 32. fusion \protein expressed by the first plasmid comprises\a LexA peptide corresponding to amino acid residues 1-87, wherein the LexA peptide is bound at 10 its C-terminal amino acid to the N-terminal amino acid of the of the \p66 subunit polypeptide; and (b) the fusion protein \expressed by the second plasmid comprises a Gal4 peoptide corresponding to amino acids 768-881 of Gal4, which Gal4 peptide is bound at its C-15 terminal amino acid to the N-terminal amino acid of the p51 subunit polypeptide.

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33. The method of any one of claims 1-4, wherein (a) the fusion protein expressed by the first 20 plasmid comprises a LexA peptide corresponding to amino acid residues 1-202, and a peptide\ comprising consecutive alanine residues, wherein the LexA peptide is bound at its C-terminal amino acid to the Nterminal amino acid of the peptide comprising six 25 consecutive alanine residues, wherein the peptide comprising six consecutive alanine residues is bound at its C-terminal amino acid to the N-terminal amino acid of the p66 subunit polypeptide; and (b) the 30 fusion protein expressed by the second plasmid

comprises a Gal4 peptide corresponding to amino acids 768-881 of Gal4, which Gal4 peptide is bound at its C-terminal amino acid to the N-terminal amino acid of the p51 subunit polypeptide.

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The mathod of any one of claims 1-4, wherein (a) the fusion \protein expressed by the first plasmid comprises a LexA peptide corresponding to amino acid residues ₹-202, and peptide a comprising consecutive alanine residues, wherein the LexA peptide is bound at its C-terminal amino acid to the Nterminal amino acid of the peptide comprising six consecutive alanine residues, wherein the peptide comprising six consecutive alanine residues is bound at its C-terminal ampholacid to the N-terminal amino acid of the p66 subunit polypeptide; and (b) the fusion protein expressed by the second plasmid comprises a Gal4 peptide corresponding to amino acids 768-881 of Gal4, and an influenza hemagglutinin (HA) epitope tag, which Gal4 peptide is bound at its Cterminal amino acid to the N-terminal amino acid of the influenza hemagglutinin (HA) exitope tag, which influenza hemagglutinin (HA) epitope tag is bound at its C-terminal amino acid to the N-terminal amino acid of the p51 subunit polypeptide.

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The method of any one of claims 1-4, wherein (a) the fusion protein expressed by the first plasmid comprises a Gal4 peptide corresponding to amino acids 768-881 of Gal4, an influenza hemagglutinin (HA)

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epitope tag, and a peptide comprising six consecutive alanine residues, wherein the Gal4 peptide is bound at its C-terminal amino acid to the N-terminal amino acid of the influenza hemagglutinin (HA) epitope tag, wherein the influenza hemagglutinin (HA) epitope tag is bound at its C-terminal amino acid to the Nterminal amino acid of the peptide comprising six consecutive alanine residues, wherein the peptide comprising six consecutive alanine residues is bound at its C-terminal amino acid to the N-terminal amino acid of the p66 subunit polypeptide; and (b) the fusion protein expressed by second plasmid comprises a peptide comprising a LexA protein DNA binding domain, wherein the p5/1 subunit polypeptide is bound at its C-terminal amino adid to the N-terminal amino acid of the peptide comprising a LexA protein DNA binding domain.

36. The method of any one of claims 1-4, wherein (a) the 20 fusion protein expressed by the first plasmid comprises a Gal4 peptide corresponding to amino acids 768-881 of Gal4, an influenza hemagglutinin (HA) epitope tag, and a peptide comprising six consecutive alanine residues, wherein the Gal4 peptide is bound at its C-terminal amino acid to the N-terminal amino acid 25 of the influenza hemagglutinin (HA) epitope tag, wherein the influenza hemagglutinin (HA) epitope tag is bound at its C-terminal amino acid to the Nterminal amino acid of the peptide comprising\six 30 consecutive alanine residues, wherein the peptide

comprising six consecutive alanine residues is bound at its C-terminal amino acid to the N-terminal amino acid of the p66 subunit polypeptide; and (b) the fusion protein expressed by second plasmid comprises a peptide comprising a LexA protein DNA binding domain, wherein peptide comprising a LexA protein DNA binding domain is bound at its C-terminal amino acid to the N-terminal amino acid of the p51 subunit polypeptide.

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The method of any one of claims 1-4, wherein (a) the fusion protein \expressed by the first comprises a Gal4 peptide corresponding to amino acids 768-881 of Gal4, an influenza hemagglutinin (HA) epitope tag, and a peptide comprising six consecutive alanine residues, wherein the Gal4 peptide is bound at its C-terminal amino acid to the N-terminal amino acid of the influenza hemagglutinin (HA) epitope tag, wherein the influenza hemagglukinin (HA) epitope tag is bound at its C-terminal amino acid to the Nterminal amino acid of the peptide comprising six consecutive alanine residues, wherein the peptide comprising six consecutive alanine restaues is bound at its C-terminal amino acid to the N-texminal amino acid of the p66 subunit polypeptide; and (b) the fusion protein expressed by second plasmid δ_{Q} mprises a peptide comprising a Gal4 protein DNA binding domain, which peptide comprising a Gal4 protein DNA binding domain is bound at its C-terminal amino adid to the N-terminal amino acid of the p51 subunit

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polypeptide.

The method of any one of claims 1-4, wherein (a) the 38. fusion protein expressed by the first plasmid comprises a Gal4 peptide corresponding to amino acids 5 768-8&1 of Gal4, wherein the Gal4 peptide is bound at its C-terminal amino acid to the N-terminal amino acid of the p&6 subunit polypeptide; and (b) the fusion protein expressed by second plasmid comprises a peptide comprising a LexA protein DNA binding domain, 10 wherein the p51 subunit polypeptide is bound at its Cterminal amino acid to the N-terminal amino acid of the peptide comprising a LexA protein DNA binding domain.

- 39. The method of any one of claims 1-4, wherein (a) the fusion protein expressed by the first plasmid comprises a Gal4 peptide corresponding to amino acids 768-881 of Gal4, wherein the Gal4 peptide is bound at its C-terminal amino acid to the N-terminal amino acid of the p66 subunit polypeptide, and (b) the fusion protein expressed by second plasmid comprises a peptide comprising a LexA protein DNA binding domain, which peptide comprising a LexA protein DNA binding domain is bound at its C-terminal amino acid to the N-terminal amino acid of the p51 subunit polypeptide.
- 40. The method of any one of claims 1-4, wherein (a) the fusion protein expressed by the first plasmid comprises a Gal4 peptide corresponding to amino acids

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768-881 of Gal4, wherein the Gal4 peptide is bound at its C-terminal amino acid to the N-terminal amino acid of the p66 subunit polypeptide; and (b) the fusion protein expressed by second plasmid comprises a peptide comprising a Gal4 protein DNA binding domain, which peptide comprising a Gal4 protein DNA binding domain is bound at its C-terminal amino acid to the N-terminal amino acid of the p51 subunit polypeptide.

10 The method of any one of claims 5-8, wherein (a) the 41. fusion protein expressed by the first plasmid comprises a peptide comprising a LexA protein DNA binding domain, wherein the p66 subunit polypeptide is bound at it's C-terminal amino acid to the N-terminal amino acid of the peptide comprising a LexA protein 15 DNA binding domain; and (b) the fusion protein expressed by the sec δ nd plasmid comprises a Gal4 peptide corresponding to amino acids 768-881 of Gal4, an influenza hemagglutinin (HA) epitope tag, and a peptide comprising six consecutive alanine residues, 20 wherein the Gal4 peptide is bound at its C-terminal amino acid to the N-terminal\amino acid of the influenza hemagglutinin (HA) epitope tag, wherein the influenza hemagglutinin (HA) epitope tag is bound at its C-terminal amino acid to the N-terminal amino acid 25 of the peptide comprising six consecutive alanine residues, wherein the peptide comprising consecutive alanine residues is bound at \its Cterminal amino acid to the N-terminal amino acid of 30 the p66 subunit polypeptide.

42. A method of making a pharmaceutical composition which comprises:

determining whether a compound inhibits HIV-1 reverse transcriptase by the method of any one of claims 1-8; recovering the compound if it is determined to inhibit HIV-1 reverse transcriptase; and

admixing the compound with a pharmaceutically acceptable carrier.

A method of inhibiting formation of a complex between p51 subunit polypeptide of HIV-1 transcriptase and a p66/subunit polypeptide of HIV-1 reverse transcriptase, which comprises contacting either (1) the p51 subunit polypeptide, (2) the p66 subunit polypeptide, or (3) both the p51 subunit polypeptide and the p66 subunit polypeptide, with an effective amount ϕ f a compound determined to do so by the method of claim 2, so to thereby inhibit formation of a complex/between the p51 subunit polypeptide of HIV-1 reverse transcriptase and a p66 polypeptide of HTV I reverse transcriptase.

A method of enhancing formation of a complex between the p51 subunit polypeptide of HIV-1 reverse transcriptase and a p66 subunit polypeptide of HIV-1 reverse transcriptase, which comprises contacting either (1) the p51 subunit polypeptide, (2) the p66 subunit polypeptide, or (3) both the p51 subunit polypeptide and the p66 subunit polypeptide, with an

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effective amount of a compound determined to do so by the method of claim 4, so to thereby enhance formation of a complex between the p51 subunit polypeptide of HIV-1 reverse transcriptase and a p66 subunit polypeptide of HIV-1 reverse transcriptase.

A method of inhibiting formation of a complex between 45. a first p66 subunit polypeptide of HIV-1 reverse transcriptase and a second p66 subunit polypeptide of HIV-1 reverse transcriptase, which comprises contacting either | the (1) first p66 subunit polypeptide, (2) the second p66 subunit polypeptide, or (3) both the first p66 subunit polypeptide and the second p66 subunit polypeptide, with an effective amount of a compound determined to do so by the method of claim 6, so to thereby inhibit formation of a complex between the first p66 subunit polypeptide of HIV-1 reverse transcript ase and the second p66 subunit polypeptide of #IV-1 veverse transcriptase.

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A method of enhancing formation of a complex between 46. a first p66 sumunit polypeptide of HIV-1 reverse transcriptase and a second p66 subunit polypeptide of HIV-1 reverse transcriptase, which comprises 25 contacting either (1) the first p66 polypeptide, $\sqrt{2}$) the second p66 subunit polypeptide, or (3) both the first p66 subunit polypeptide and the second p66 subunit polypeptide, with an effective amount of a dompound determined to do so by the method of claim 8, so to thereby enhance formation of a 30

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complex between the first p66 subunit polypeptide of HIV-1 reverse transcriptase and the second p66 subunit polypeptide of HIV-1 reverse transcriptase.

5 47.

The method of any one of claims 43-46, wherein the HIV-1 reverse transcriptase is present in a subject and the contacting to effected by administering the compound to the subject.

- 10 48. The method of claim 47, wherein the compound is administered orally, intravenously, subcutaneously, intravenously, topically or by liposome-mediated delivery.
- 15 49. The method of claim 47, wherein the subject is a human being, a primate, an equine, an opine, an avian, a bovine, a porcine, a canine, a feline or a mouse.
- of the compound is between about 1mg and about 50mg per kg body weight of the subject.
 - 51. The method of claim 50, wherein the effective amount of the compound is between about 2mg and about 40mg per kg body weight of the subject.
 - 52. The method of claim 51, wherein the effective amount of the compound is between about 3mg and about 30mg per kg body weight of the subject.

- The method of claim 52, wherein the effective amount of the compound is between about 4mg and about 20mg per kg body weight of the subject.
- 5 54. The method of claim 53, wherein the effective amount of the compound is between about 5mg and about 10mg per kg body weight of the subject.
- 55. The method of claim 54, wherein the compound is administered at least once per day.
 - 56. The method of claim 47, wherein the compound is administered daily.
- 15 57. The method of claim 47, wherein the compound is administered every other day.
 - The method of claim 47, wherein the compound is administered every 6 to 8 days.

- 59. The method of claim 47, wherein the compound is administered weekly.
- 60. A compound determined to be capable of inhibiting

 formation of a complex between a p51 subunit

 polypeptide of HIV 1 reverse transcriptase and a p66

 subunit polypeptide of HIV-1 reverse transcriptase by

 the method of claim 2.
- 30 61. A compound determined to be capable of enhancing

formation of a complex between a p51 subunit polypeptide of HIV-1 reverse transcriptase and a p66 subunit polypeptide of HIV-1 reverse transcriptase by the method of claim 4.

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62. A compound determined to be capable of inhibiting formation of a complex between a first p66 subunit polypeptide of HIV-1 reverse transcriptase and a second p66 subunit polypeptide of HIV-1 reverse transcriptase by the method of claim 6.

63.

A compound determined to be capable of enhancing formation of a complex between a first p66 subunit polypeptide of HIV-1 reverse transcriptase and a second p66 subunit polypeptide of HIV-1 reverse transcriptase by the method of claim 8.

Ship So

64. A composition which comprises the compound of any one of claims 60-63 and a carrier.

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